IN THE CLAIMS:

Please cancel claim 15 and amend claims 12 and 30 as follows:

(Previously Presented) A treatment apparatus for excrement comprising

a reactor basin for containing sawdust and excrement, provided with at least two concave parts having curved profile on the bottom;

a temperature control means for maintaining the temperature within said reactor basin at a predetermined range, and

at least two mixing devices for mixing the sawdust and excrement, matched with each concave parts and spaced apart from each other, each of which respectively has

a rotation shaft, and

a helical blade stirrer, provided on said rotation shaft by a plurality of spokes and divided into two parts, helical directions of which are reverse, wherein said helical blade stirrers of the mixing devices are overlapped partially; and

wherein pluvimixing rings are respectively provided at outer sides of each helical blade stirrer, on which a plurality of blocks for loosing are provided.

2-4. (Cancelled)

5. (Previously Presented) The treatment apparatus for excrement of

claim 1, wherein a protuberant intersection is formed at a height which is lower than that

of the rotation shaft after said two concave parts in the bottom of said basin are

connected.

6. (Previously Presented) The treatment apparatus for excrement of

claim 5, wherein the curves of the concave parts are substantively spaced evenly with

said mixing device.

(Cancelled)

8. (Previously Presented) The treatment apparatus of claim 1.

wherein a top plate is provided to cover said reactor basin, having

a drop inlet;

a urinary inlet, spaced apart from the drop inlet, and

a conduit, arranged at an underside of the top plate, an inlet of which is

communicated with said urinary inlet and the outlet of which is adjacent to said drop inlet

so as to guide urine to the place where excrement drops.

9-11. (Cancelled)

3

- (Currently Amended) A bio-toilet, being divided into two spaces by a floor, wherein the space under the floor is provided with
- a tank, the top plate of which having a drop inlet and a urinary inlet, spaced apart from the drop inlet;
- a reactor basin for containing sawdust and excrement, provided with at least two concave parts having curved profile on the bottom;
- a temperature control means for maintaining the temperature within said reactor basin at a predetermined range, provided with
 - a heating plate, disposed on the outer surface of the reaction basin, and
 - a insulation layer, covered the heating plate;
- at least two mixing devices for mixing the sawdust and excrement, matched with each concave parts, and spaced apart each other, each of which respectively has
 - a rotation shaft, and
- a helical blade stirrer, provided on said rotation shaft by a plurality of spokes and divided into two parts, helical directions of which are reverse, wherein said helical blade stirrers of the mixing devices are overlapped partially:
- a driving means provided outside the tank for driving the two mixing devices; and
 - a control unit;

wherein pluvimixing rings are respectively provided at outer sides of each helical blade stirrer, on which a plurality of blocks for loosing are provided.

13-15. (Cancelled)

- 16. (Previously Presented) The bio-toilet of claim 15, wherein a protuberant intersection is formed at a height which is lower than that of the rotation shaft after said two concave parts in the bottom are connected.
- 17. (Previously Presented) The bio-toilet of claim 16, wherein, wherein the curves of the concave parts are substantively spaced evenly with said mixing device.
- 18. (Previously Presented) The bio-toilet of claim 17, wherein, wherein the distance between the mixing device and the concave parts is about 1cm-3cm.
- 19. (Previously Presented) The bio-toilet of claim 18, wherein a support is provided on the bottom plate of the tank between the two concave parts for supporting the protuberant intersection.

Appl. No. 10/756,740 Amendment dated September 16, 2008 Reply to Office Action mailed June 16 2008

20. (Cancelled)

21. (Previously Presented) The bio-toilet of claim 19, wherein the temperature control means further includes a holder for holding the insulation layer, one end of which is secured to the support and the other end is secured to the tank by a spring hook

(Cancelled)

- 23. (Previously Presented) The bio-toilet of claim 12, wherein a conduit is arranged at an underside of the top plate, an inlet of which is communicated with said urinary inlet and an outlet of which is adjacent to said drop inlet so as to guide human urine to the place where excrement drops.
- 24. (Previously Presented) The bio-toilet of claim 23, wherein a plurality of dispensing holes is provided at the bottom of the conduit.
- 25. (Previously Presented) The bio-toilet of claim 24, wherein the diameter of the dispensing holes increases gradually as they approach the outlet.

26. (Previously Presented) The bio-toilet of claim 12, wherein the

top plate of the tank is assembled with the side plate of the tank in a removable manner

with a heat-insulating element at the juncture between the top plate and the side plate.

27-29. (Cancelled)

30. (Currently Amended) A method for decomposing excrement

by using the bio-toilet of claim 12, comprising the steps of:

providing said reactor basin for containing sawdust and excrement,

provided with said at least two concave parts;

providing said temperature control means for maintaining the temperature

within the reactor basin at a predetermined range; and

providing said at least two mixing devices for mixing the raw material and

excrement, matched with each concave part, and spaced apart from each other, each of

which respectively has

a rotation shaft, and

a helical blade stirrer, provided on said rotation shaft by a plurality of

spokes and divided into two parts, helical directions of which are reverse, wherein said

helical blade stirrers of the mixing devices are overlapped partially and wherein

7

Appl. No. 10/756,740 Amendment dated September 16, 2008 Reply to Office Action mailed June 16 2008

pluvimixing rings are respectively provided at outer sides of each helical blade stirrer, on which a plurality of blocks for loosing are provided.

31-34. (Cancelled)

- 35. (Previously Presented) The method of claim 30, wherein the step of driving the mixing devices comprises driving the mixing devices in a reverse direction when the mixing devices complete one turn of rotation so as to sufficiently stir the excrement.
- 36. (Previously Presented) The method of claim 35, wherein one turn of rotation for the mixing devices is completed by driving the mixing devices several times.

37-38. (Cancelled)

39. (Previously Presented) The method of claim 36, further comprising the step of driving the mixing devices somebody enters the bio-toilet.

Appl. No. 10/756,740 Amendment dated September 16, 2008 Reply to Office Action mailed June 16 2008

40. (Previously Presented) The method of claim 39, further comprising the step of driving the mixing devices after the usage for the treatment apparatus is completed.